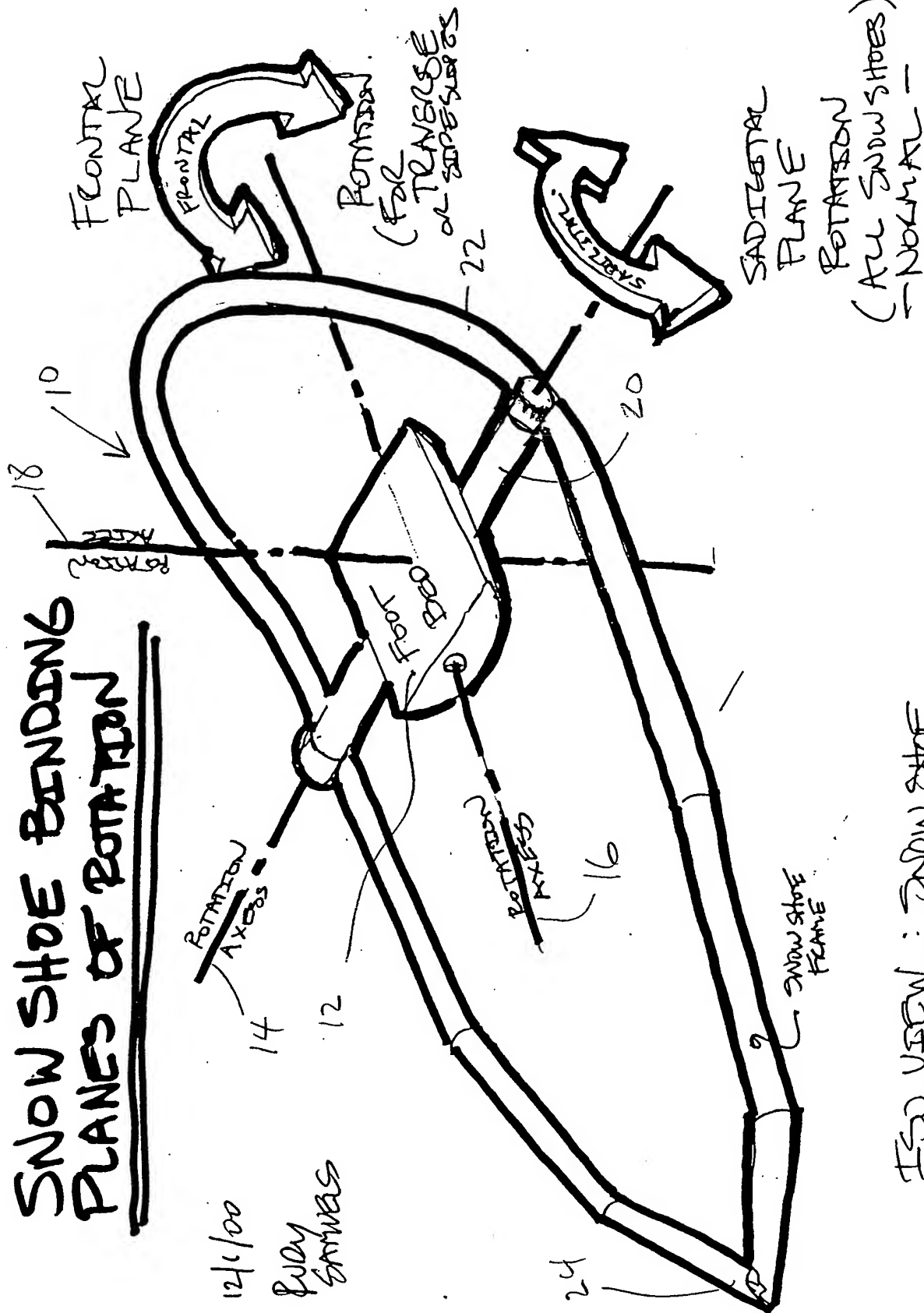


SNOW SHOE BENDING PLANES OF ROTATION

12/1/00

Every
Snow
Shoes

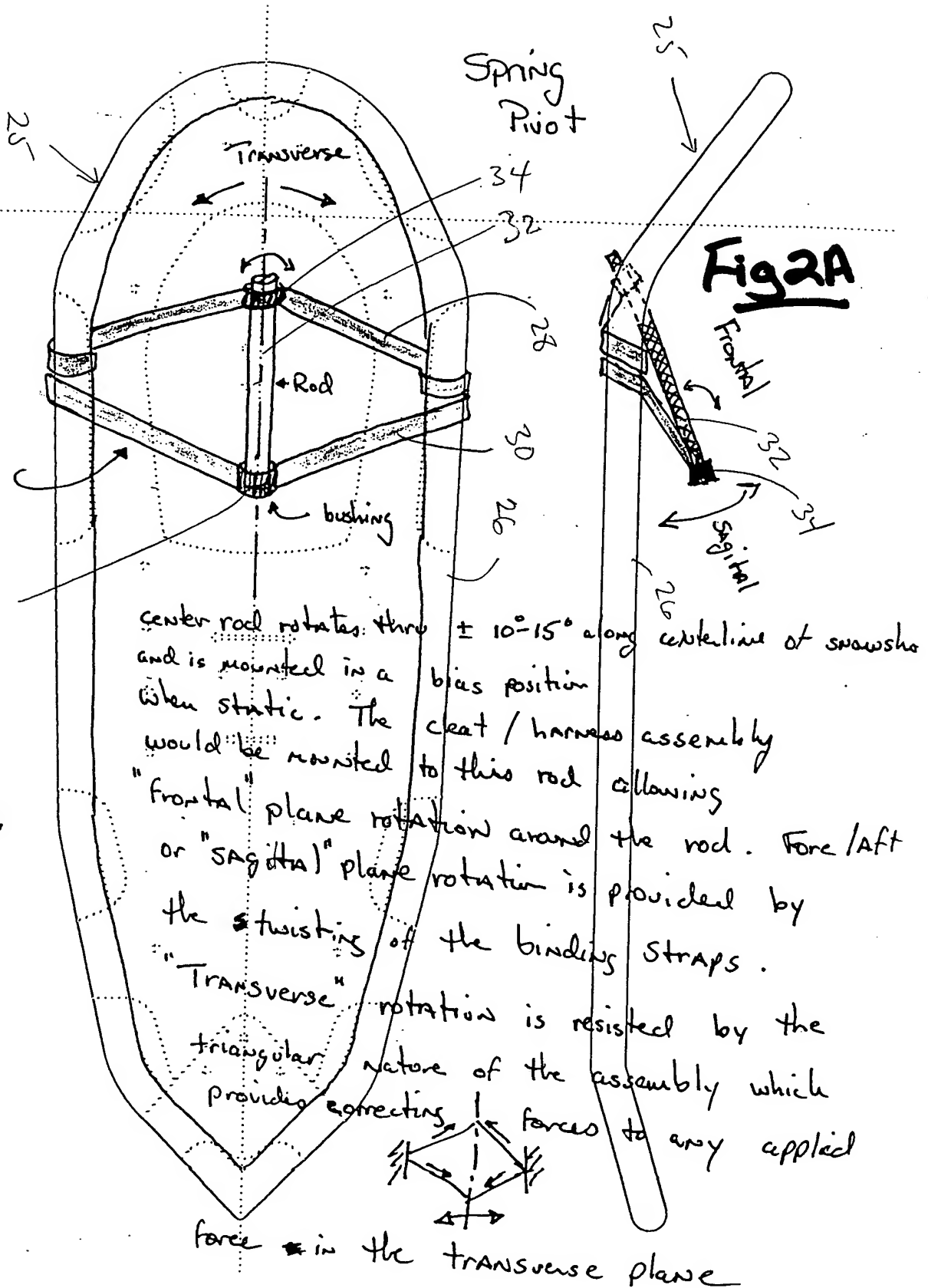


ISO VIEW: SNOW SHOE

Fig. 1

binding
straps

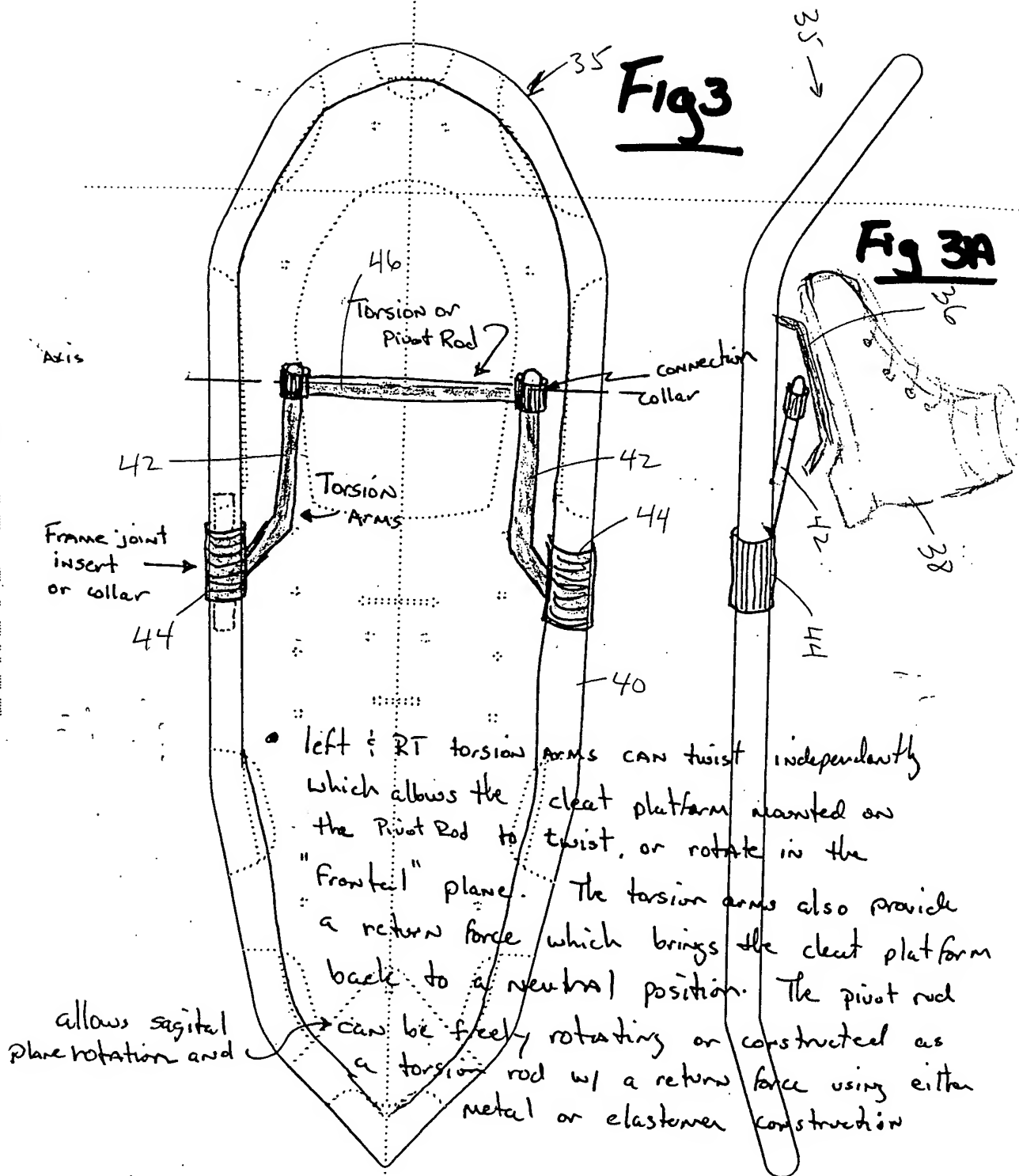
Fig 2



Spring
Pivot

Fig 2A

center rod rotates thru $\pm 10^{\circ}-15^{\circ}$ along centerline of snowshoe and is mounted in a bias position when static. The crest / harness assembly would be mounted to this rod allowing "frontal" plane rotation around the rod. Fore/Aft or "sagittal" plane rotation is provided by the twisting of the binding straps. "Transverse" rotation is resisted by the nature of the assembly which provides correcting forces to any applied force in the transverse plane



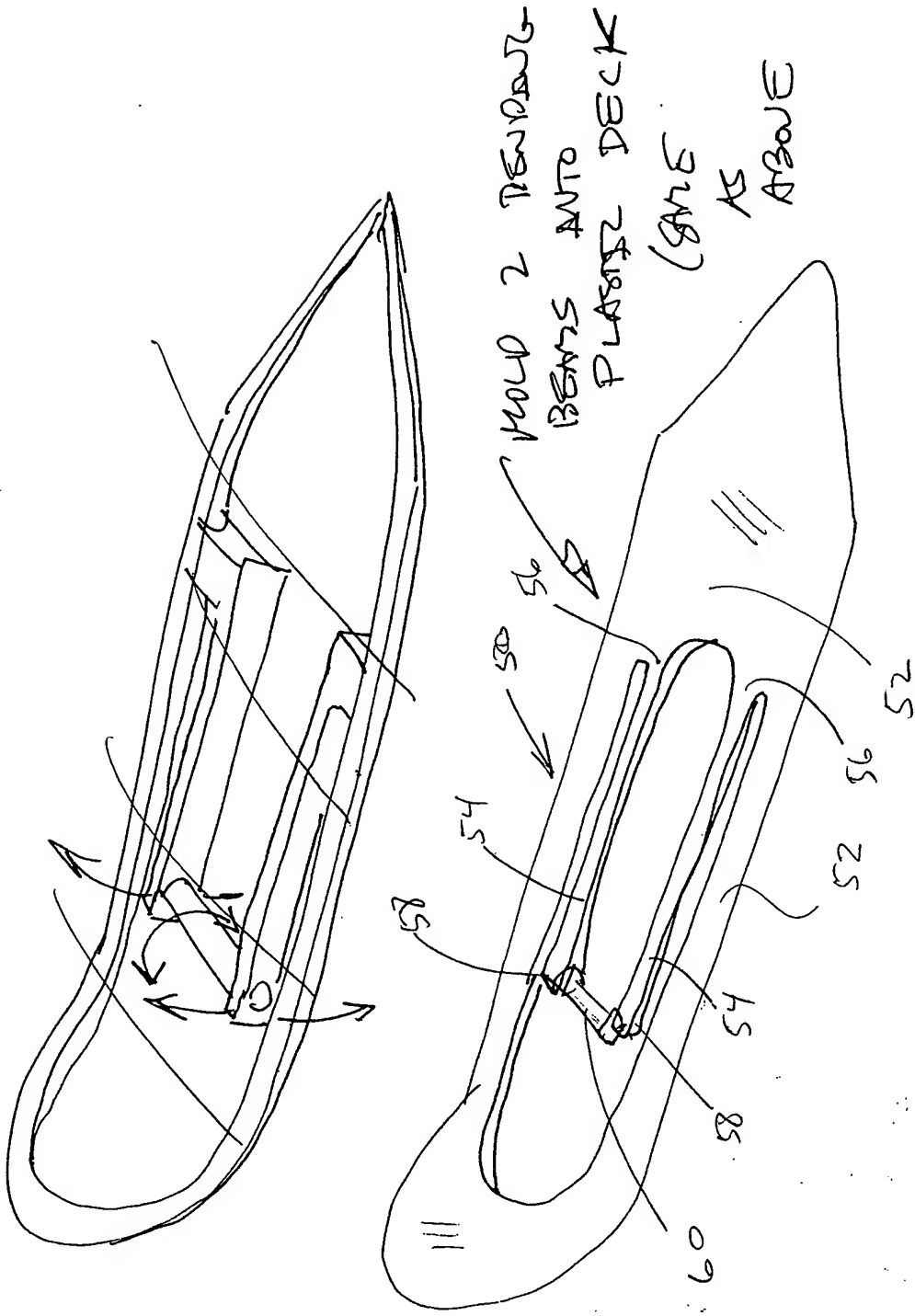
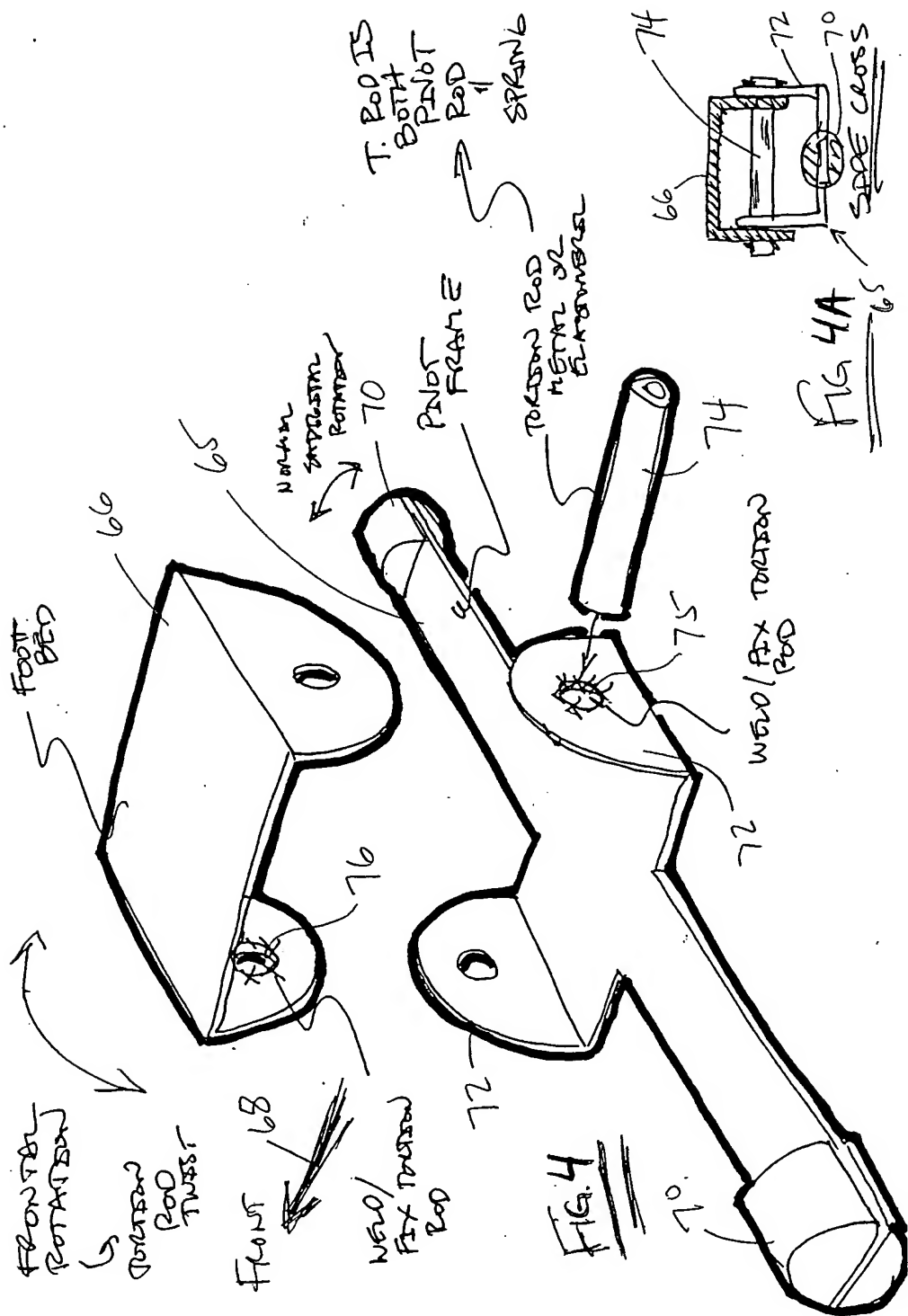


FIG. 3B



ATLAS 3 POINT BINDING STRAP
CONNECTION FOR INCREASED &
CONTROLLED FRONTAL PIVOT

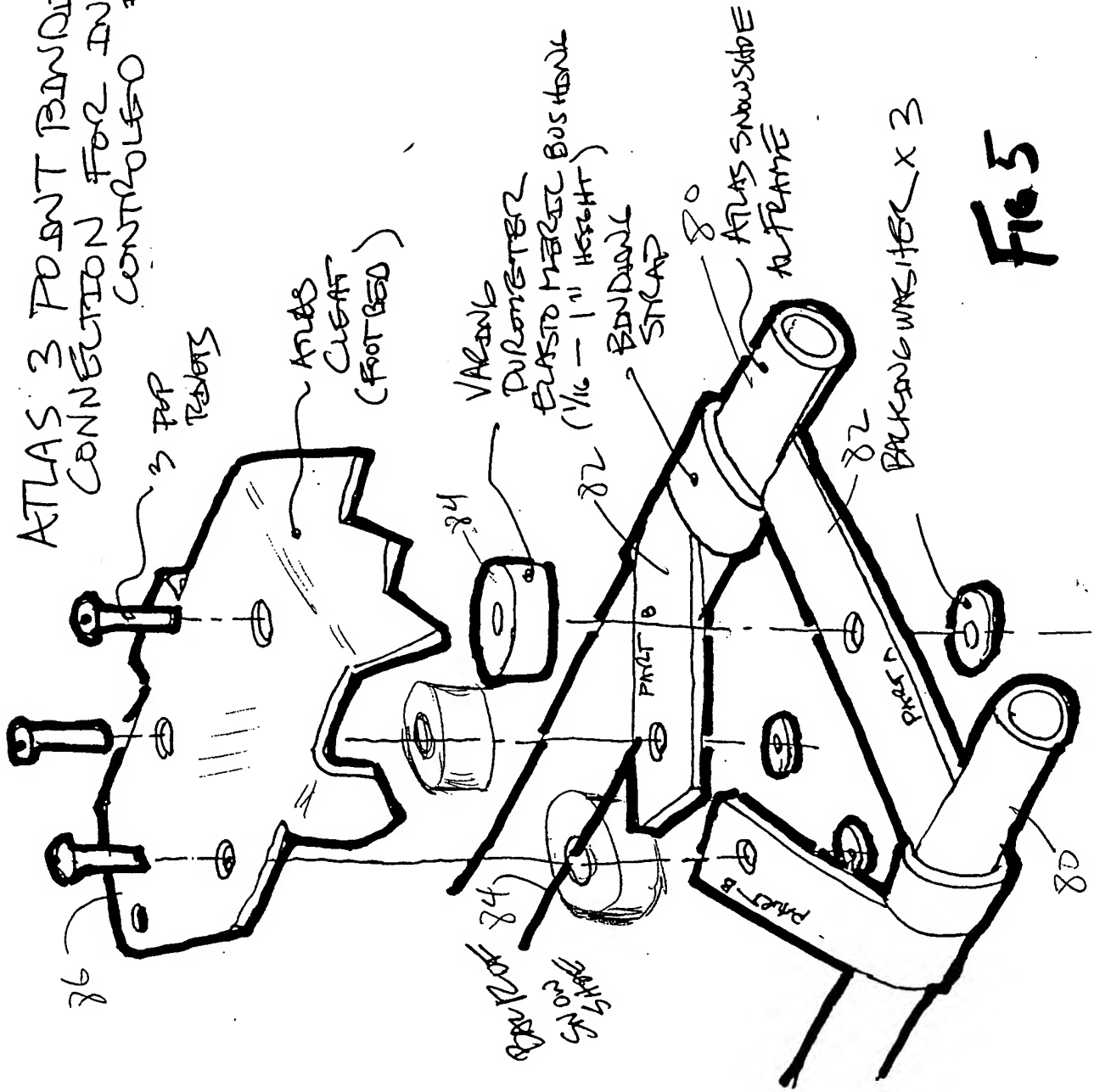


FIG 5

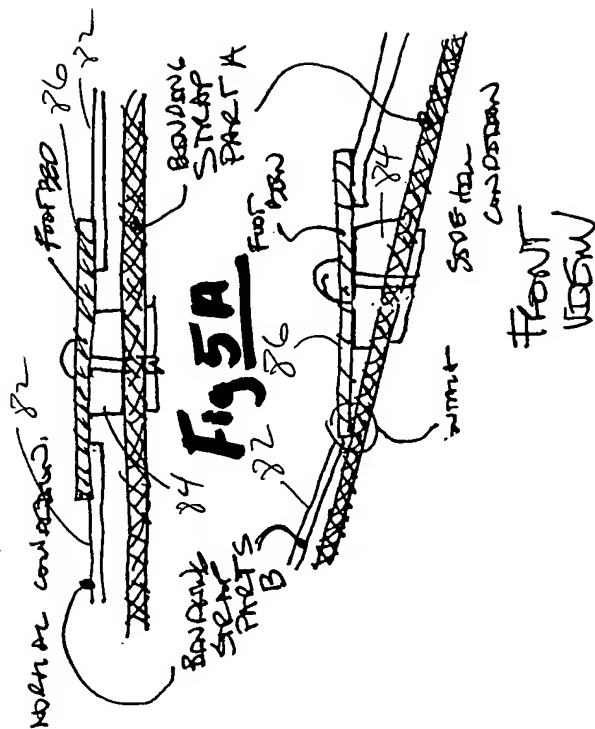
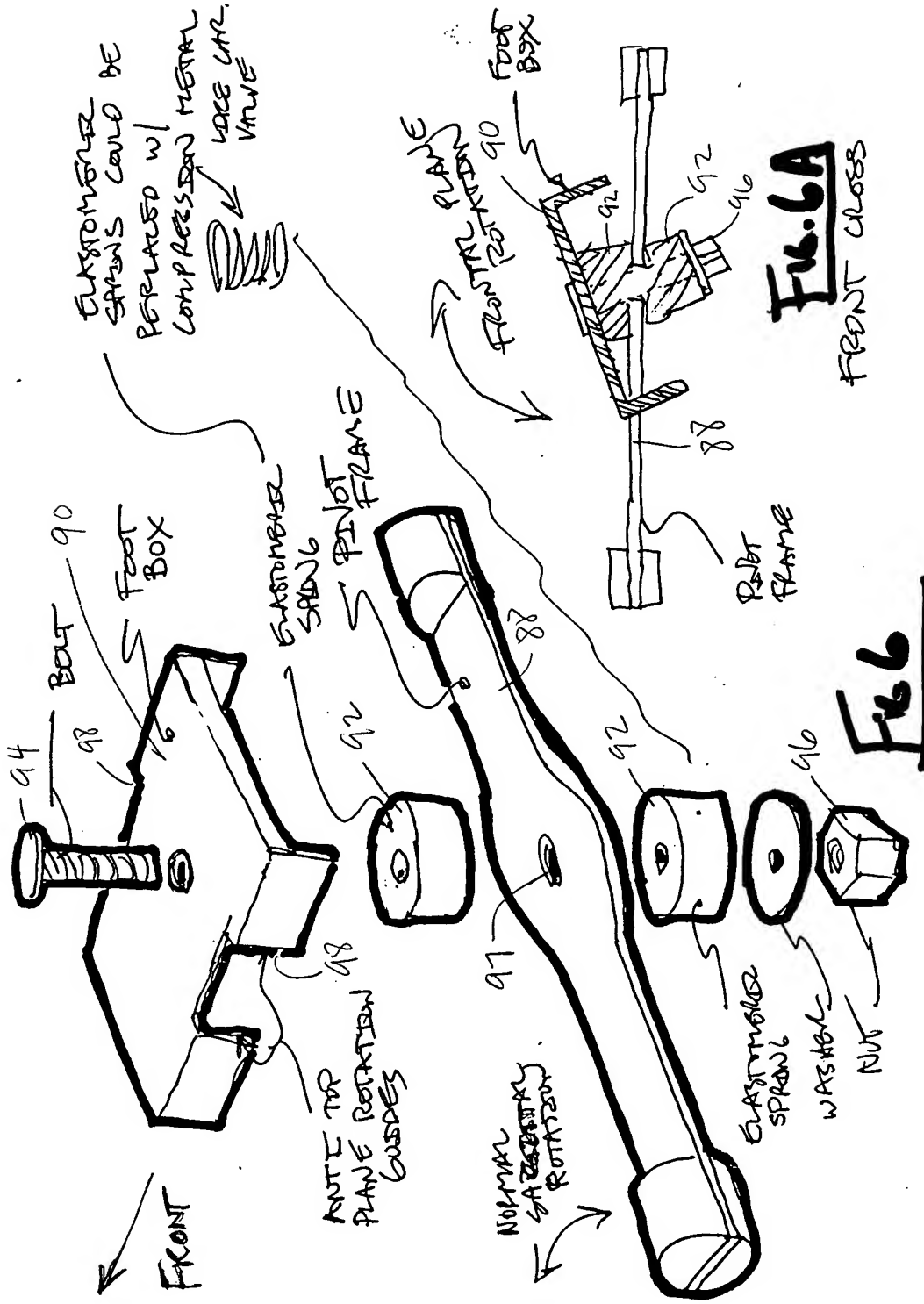
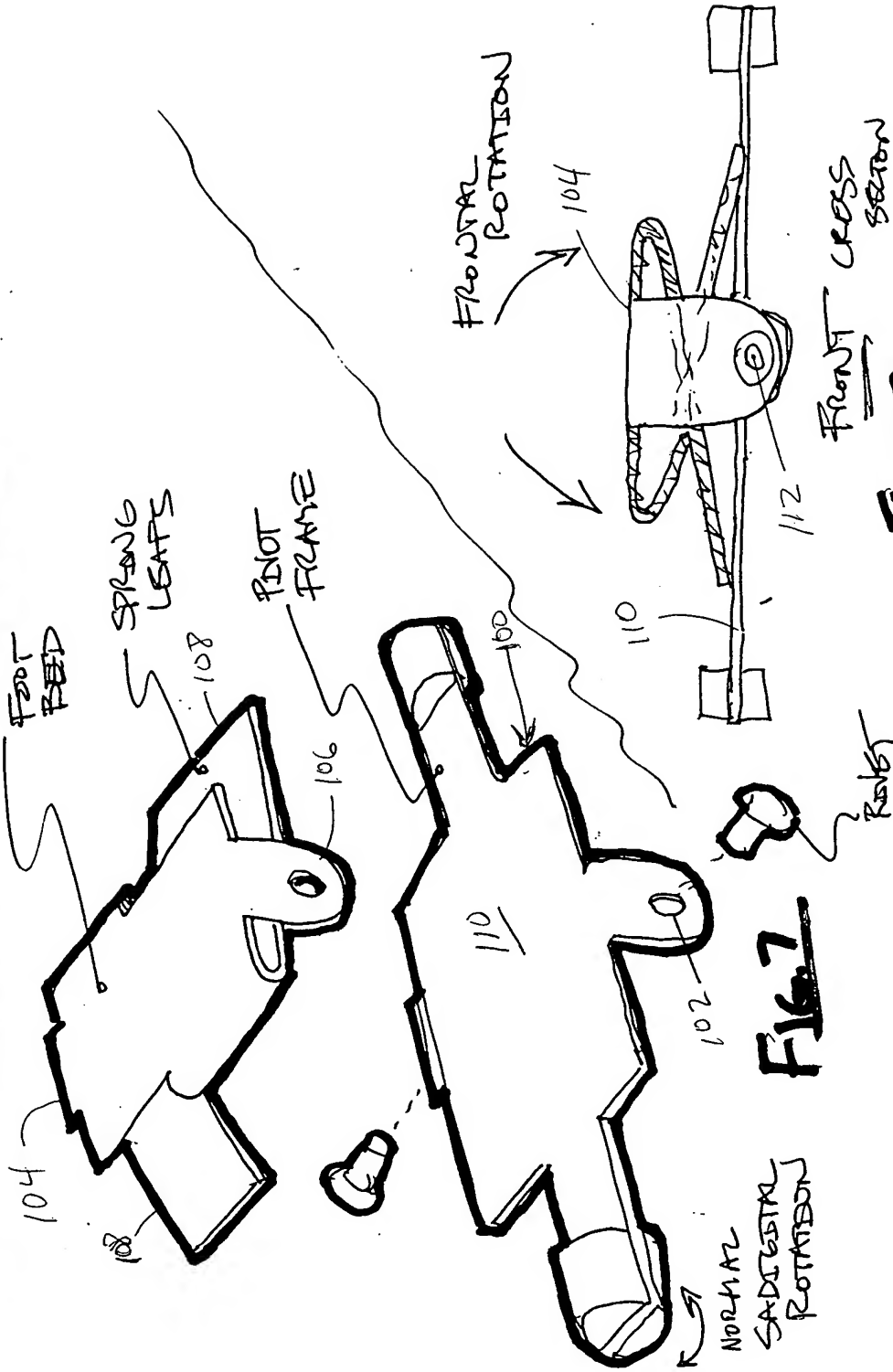


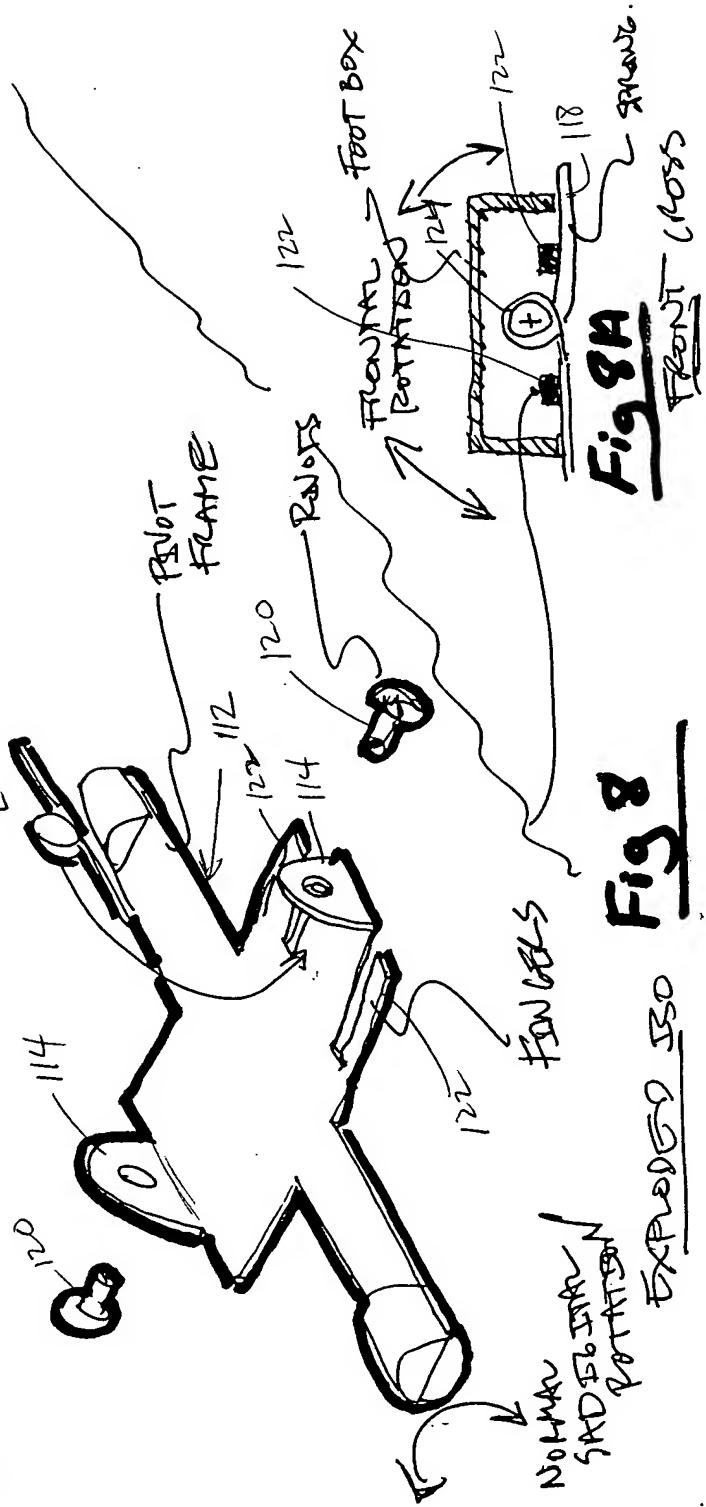
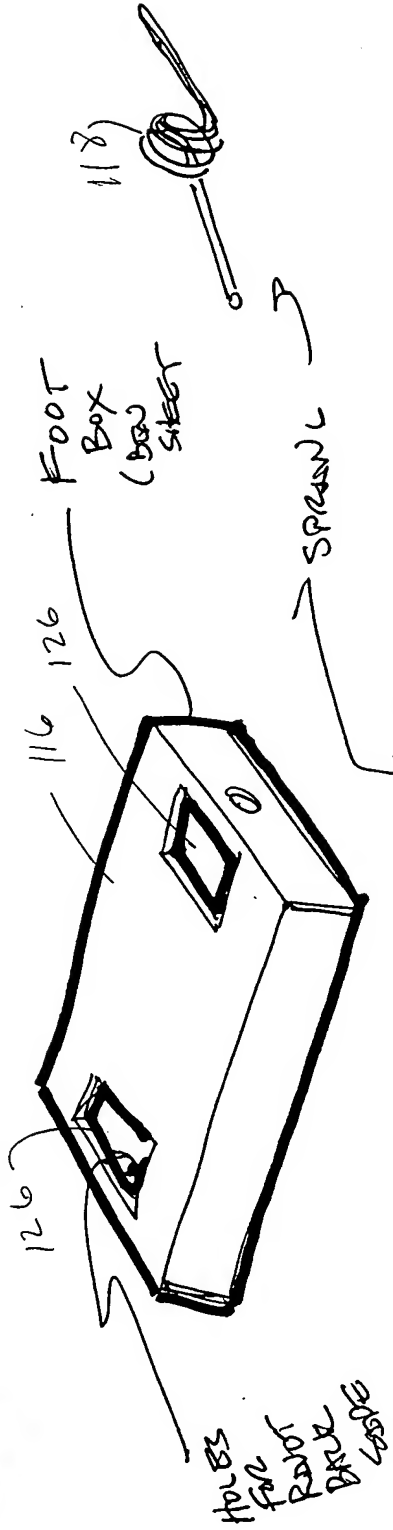
Fig 5B

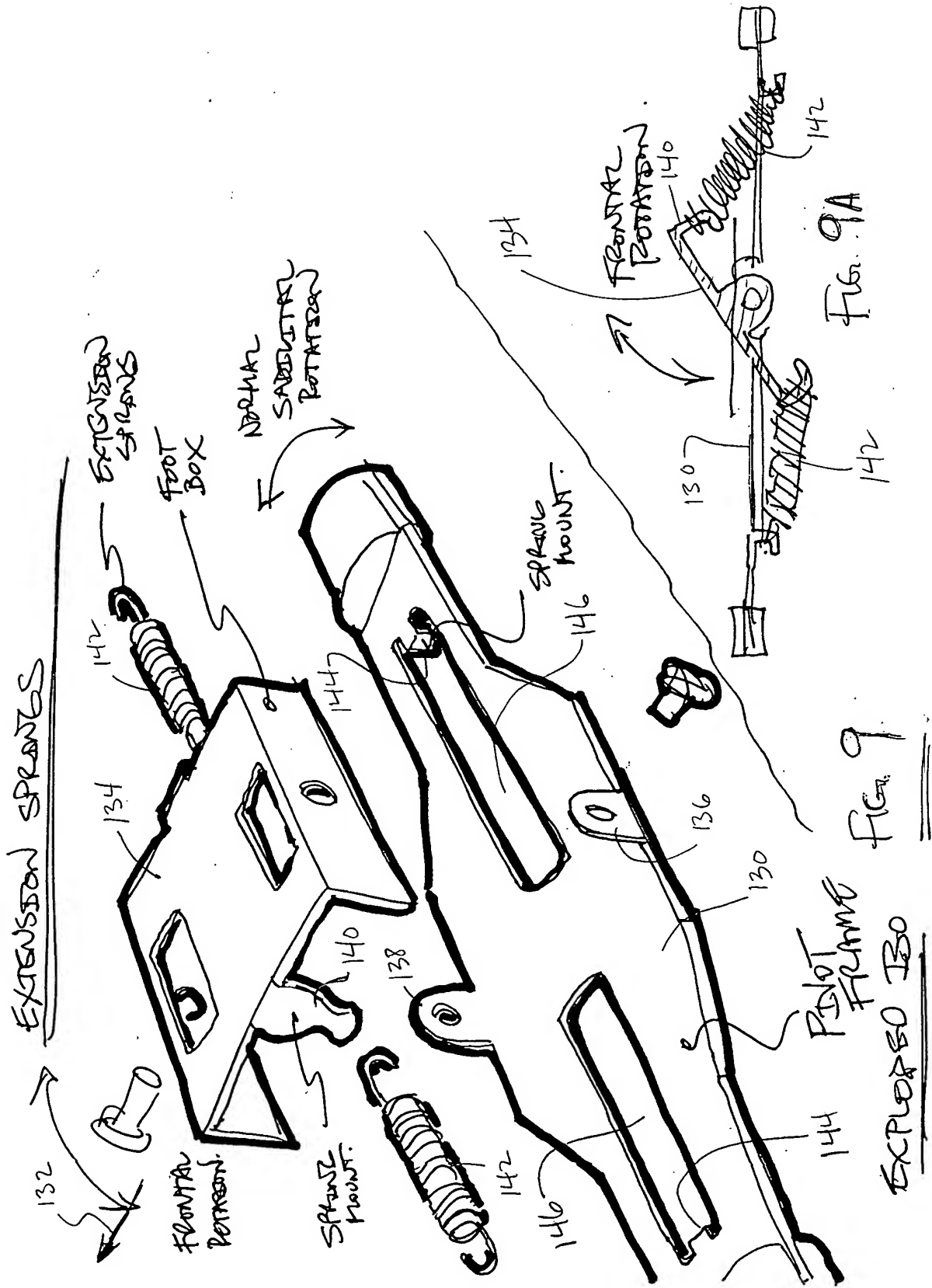


DUAL LEAF SPRING DESIGN



BI DIRECTIONAL TUBULAR SPRING





DUAL LEAF SPRING 2

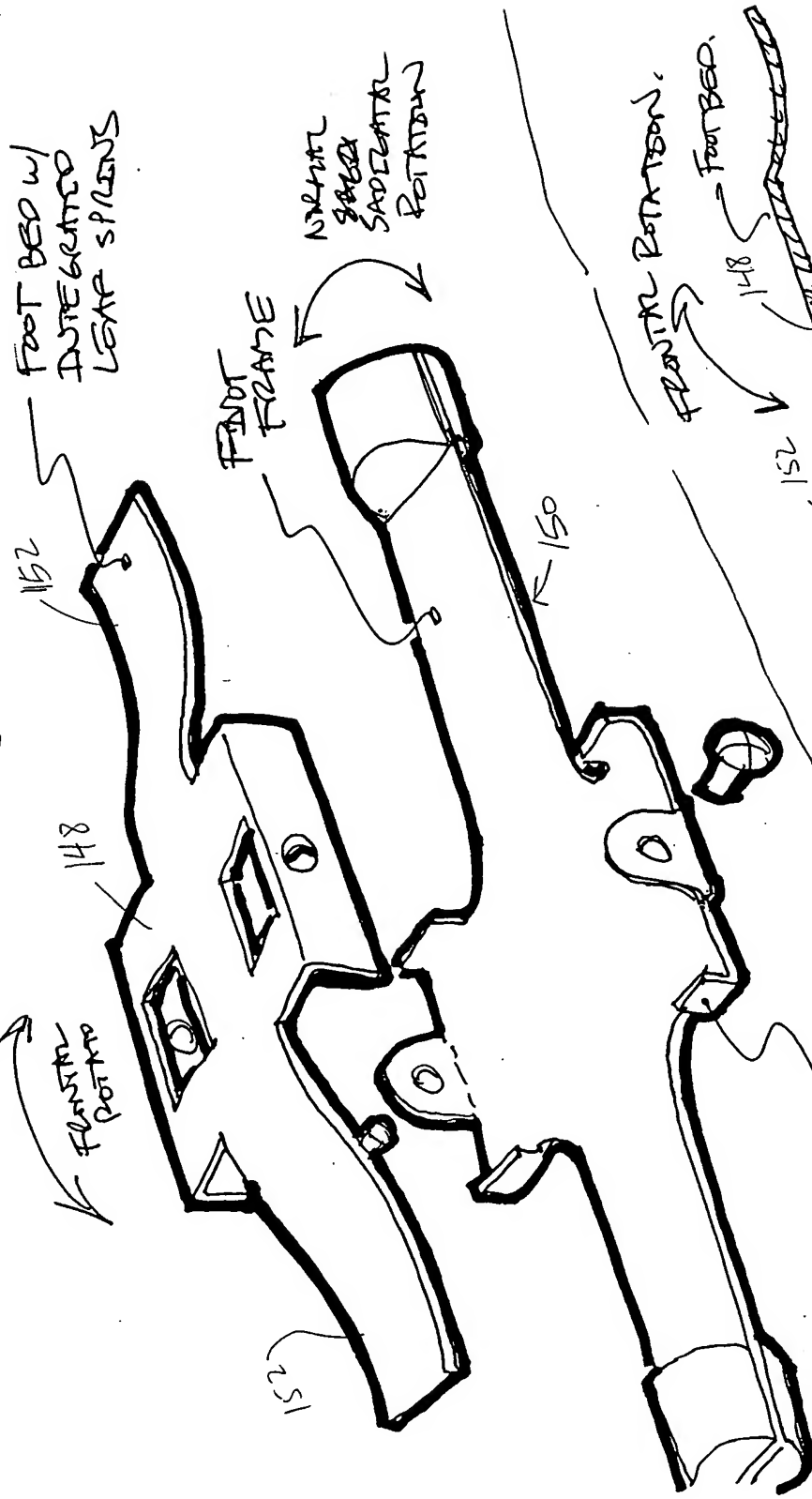
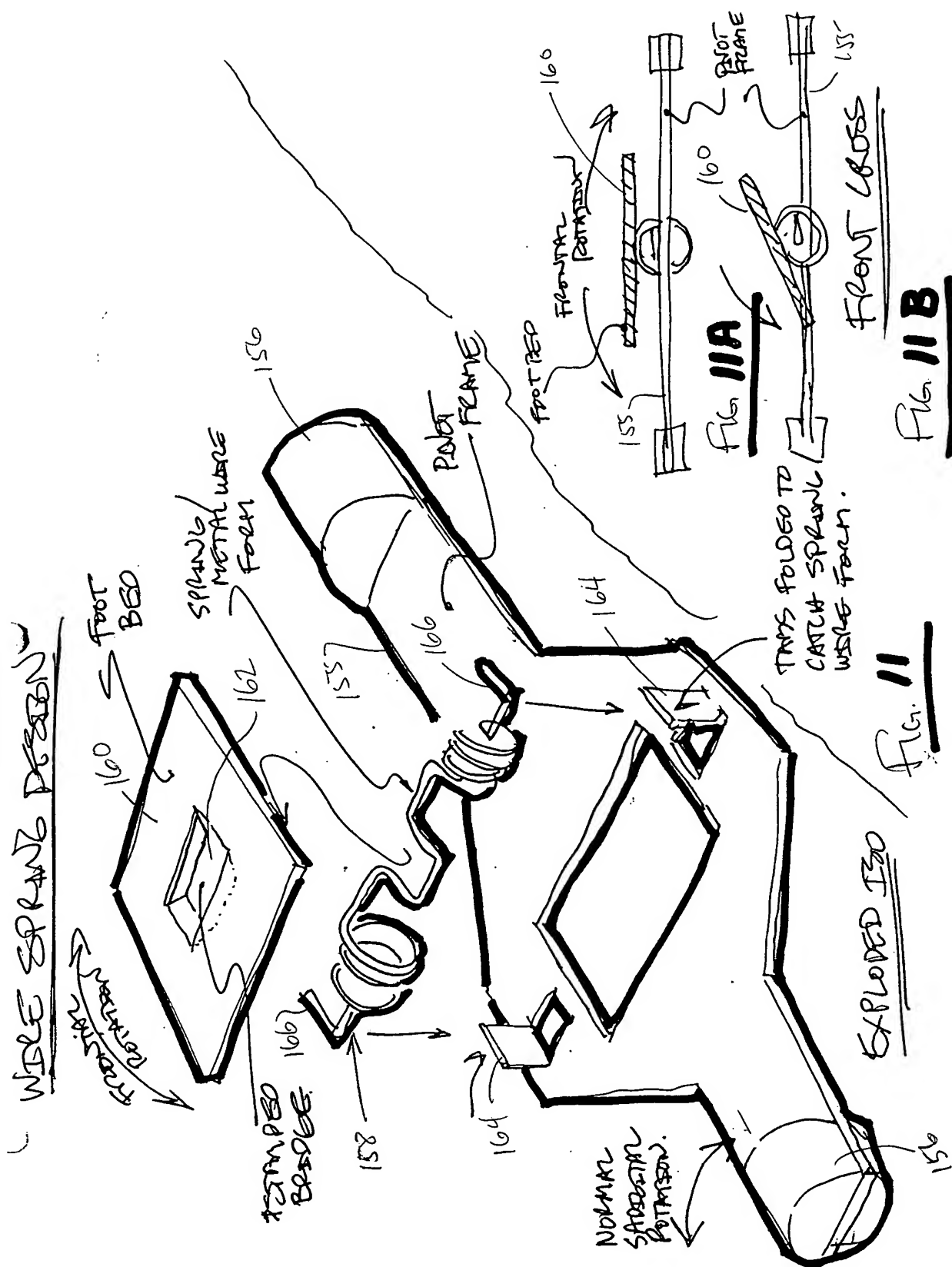
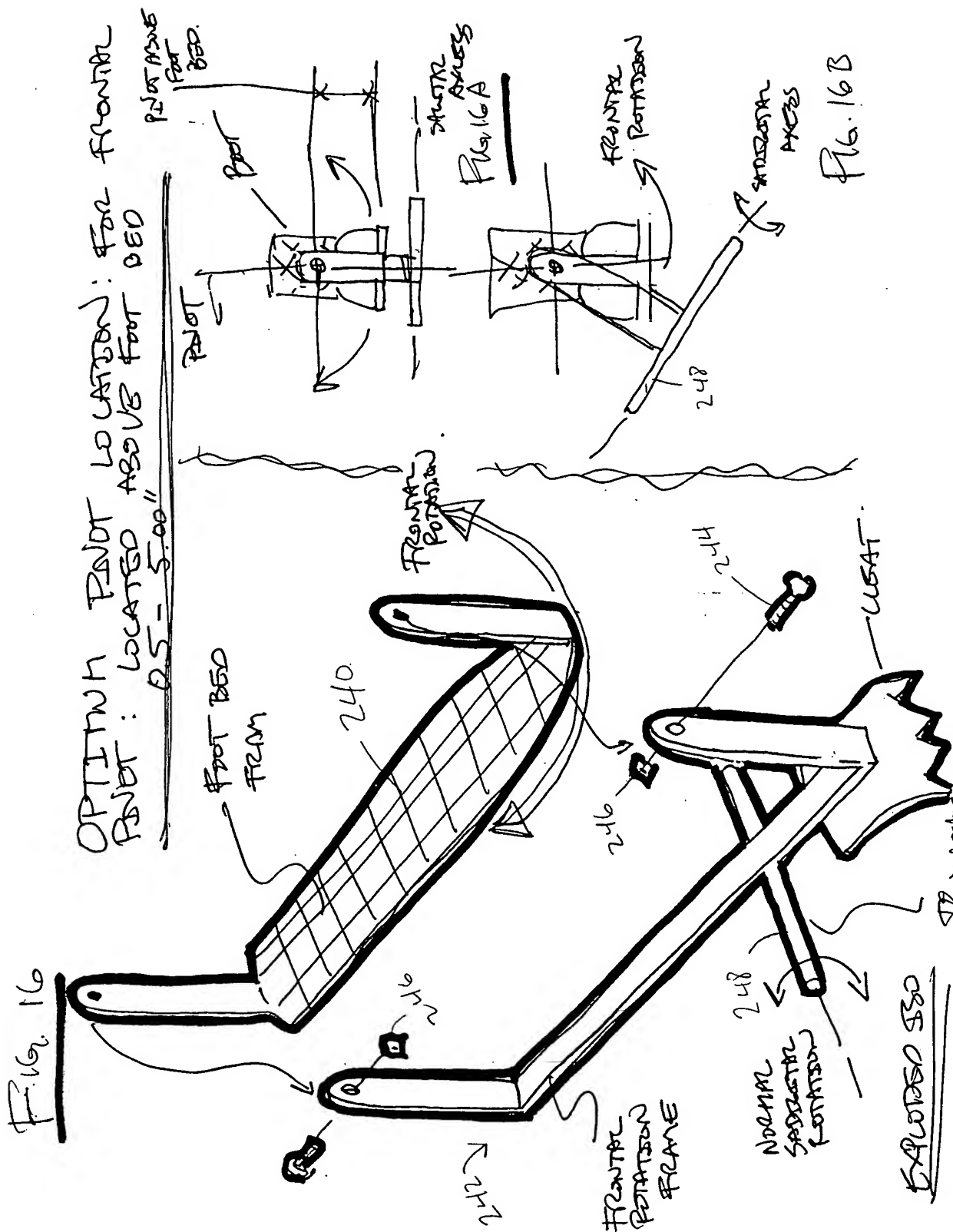


FIG. 10

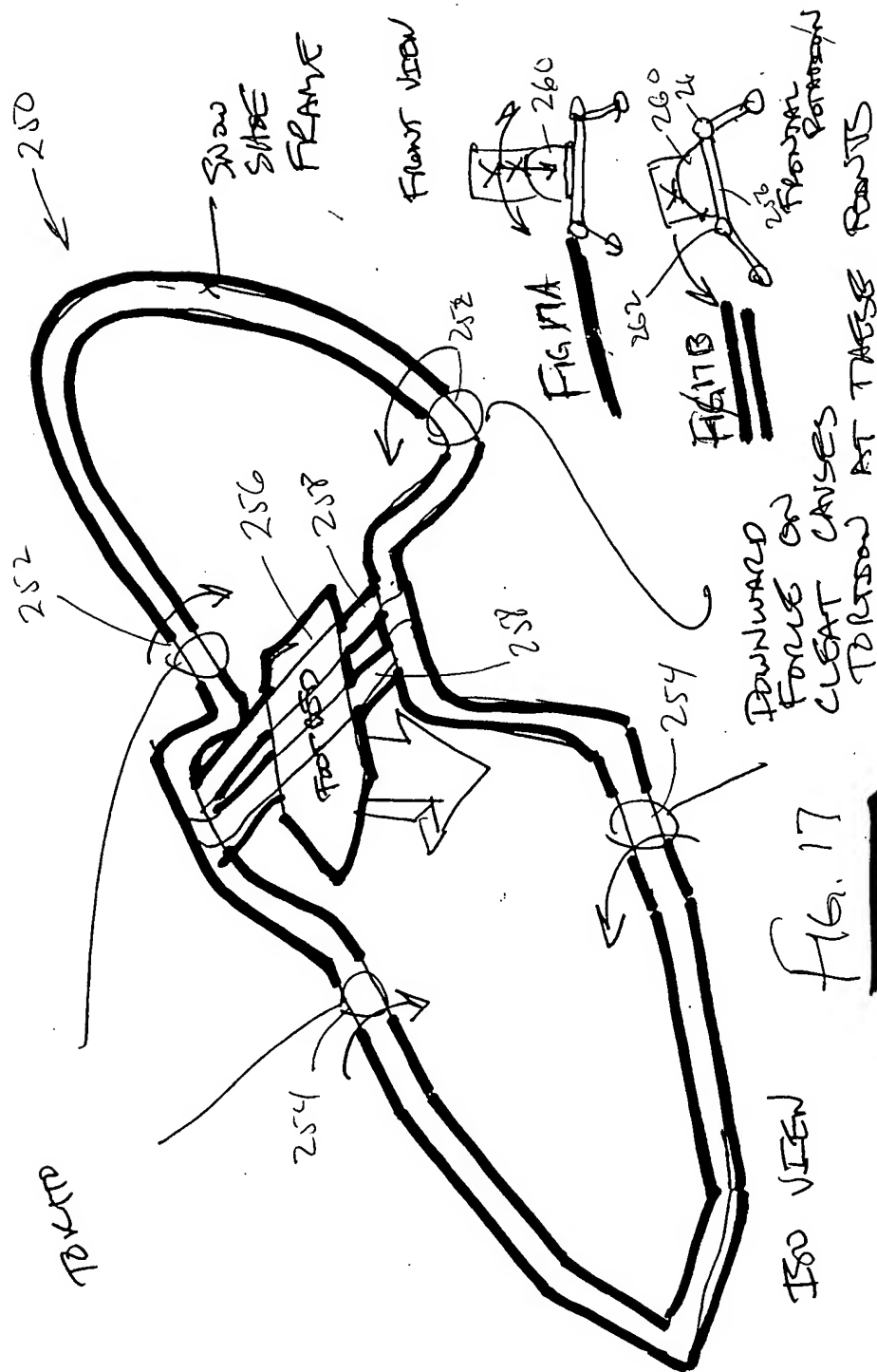
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SIDE TUBES AND TOLERANCE



204070-9946001

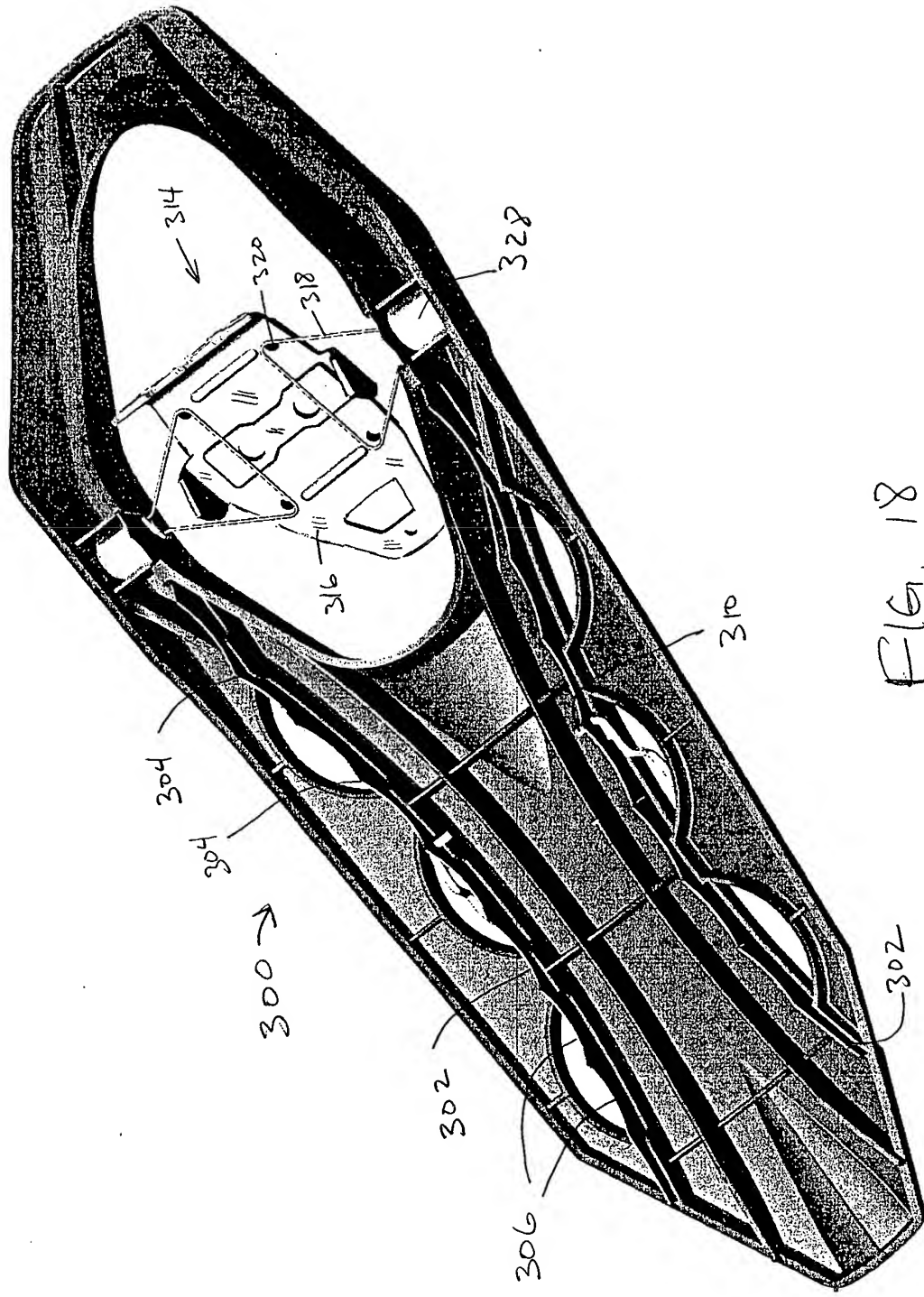
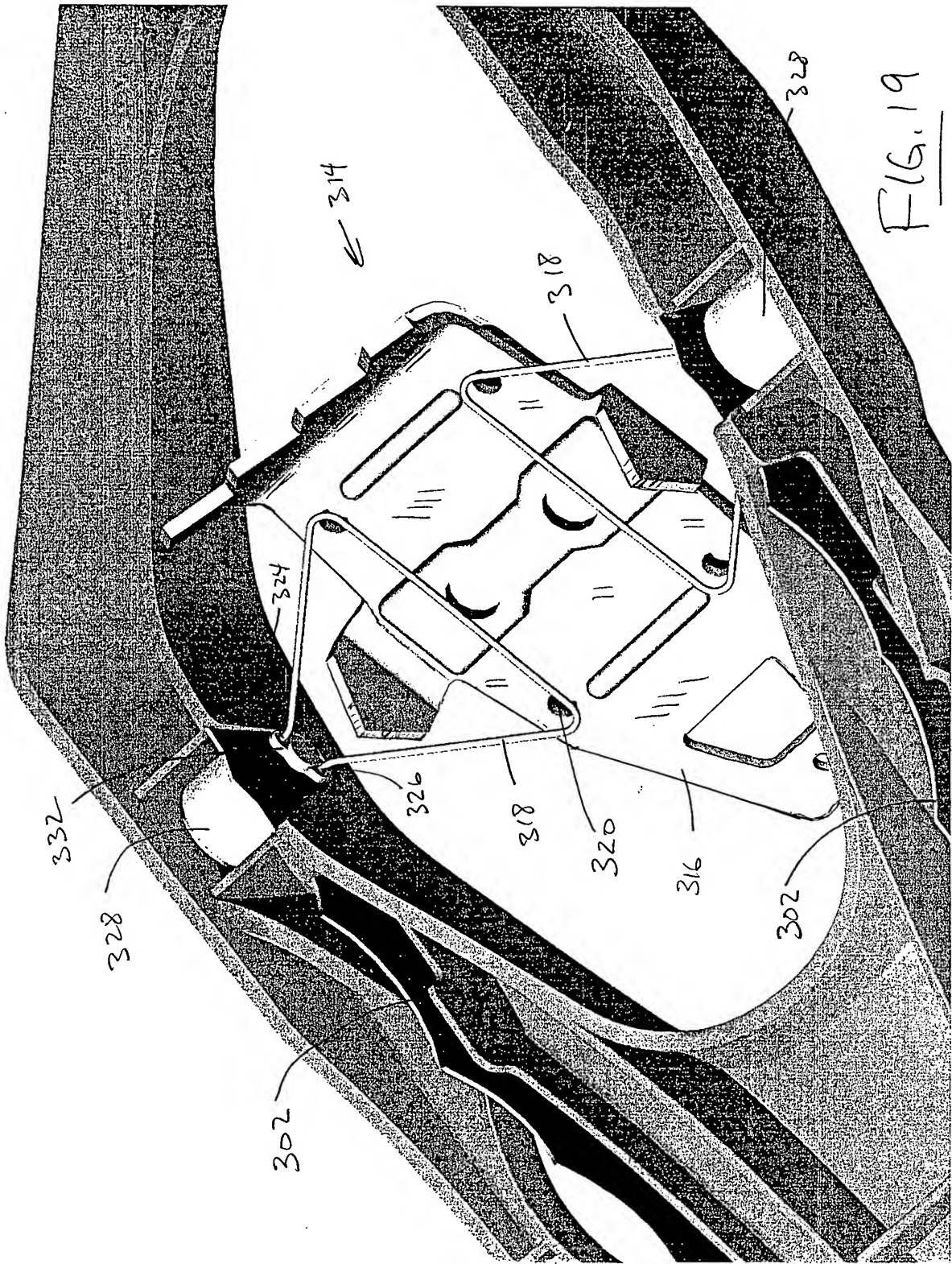


Fig. 18



204010-9916E001

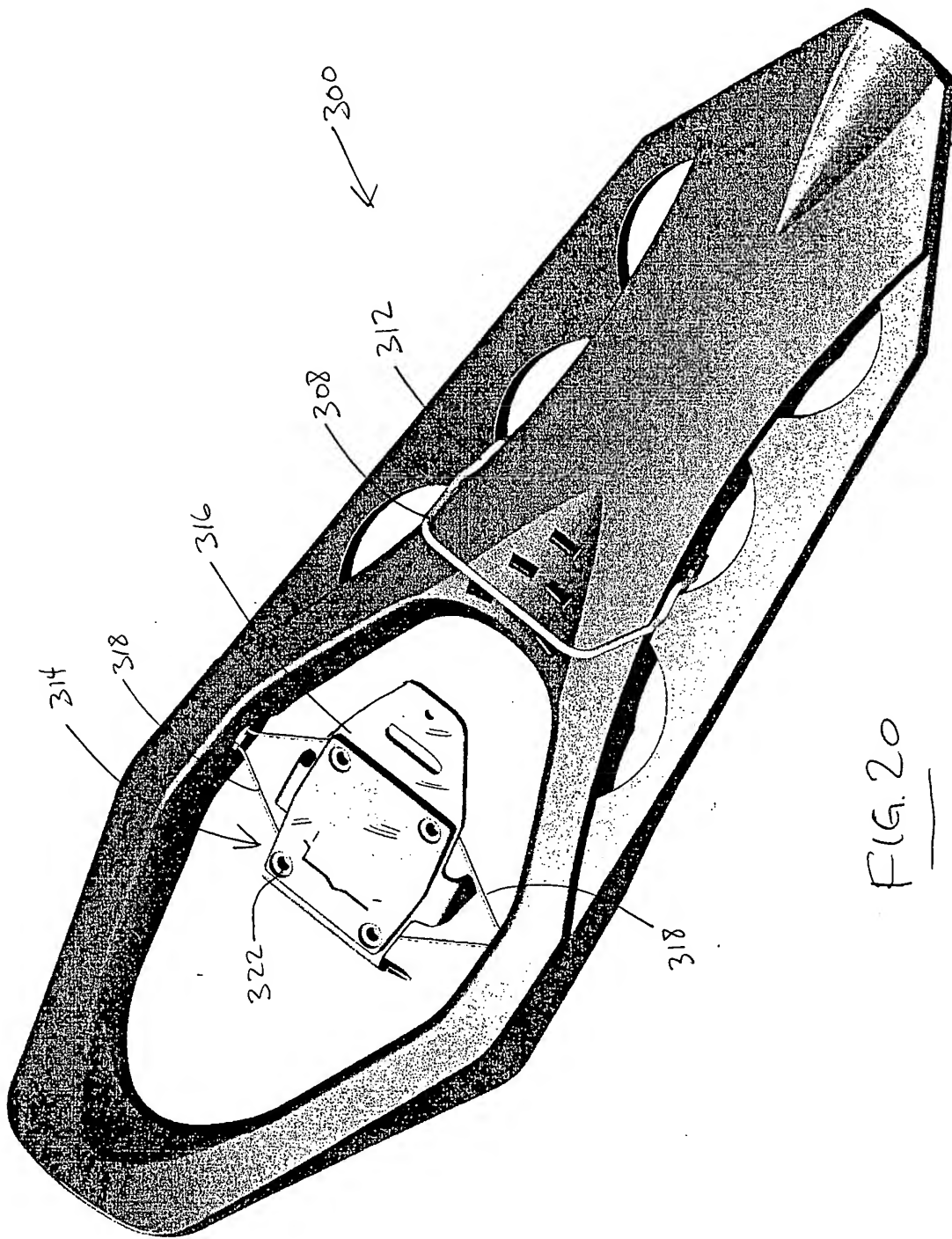
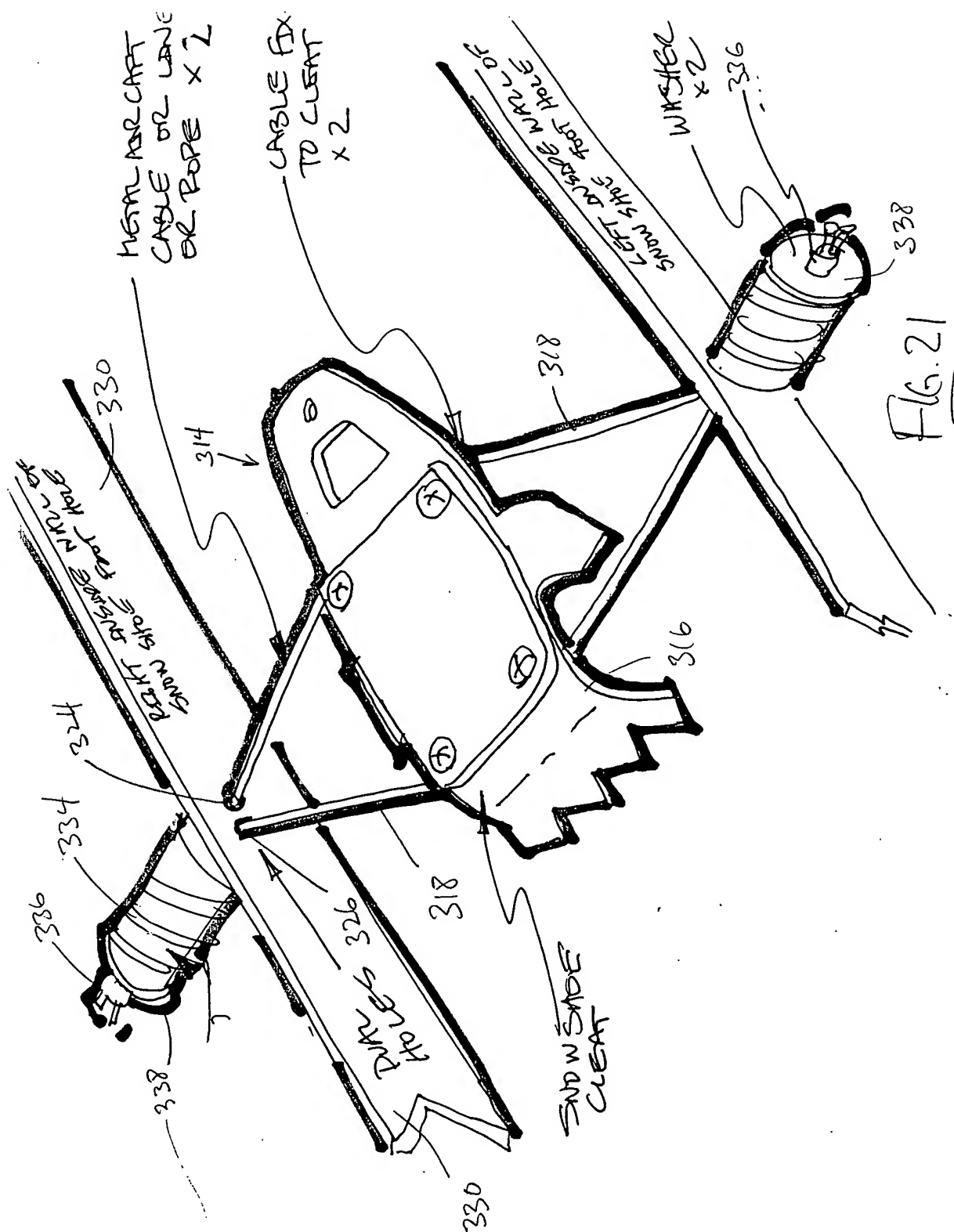


FIG. 20

THE UNIVERSITY OF CHICAGO



[illegible]

Fig. 22

FIG. 23

302a

302b

302c

302d

302e

302f

302g

ROPE

CABLE

SNOW SHOE CLEAT

CABLES FIXED TO T-CLEAT x 2

CABLE FIXED TO FREE END OF CANTILEVER x 4 SPRINGS

1623

CABLE BINDING FUNCTIONAL KEY: LINKED CABLES

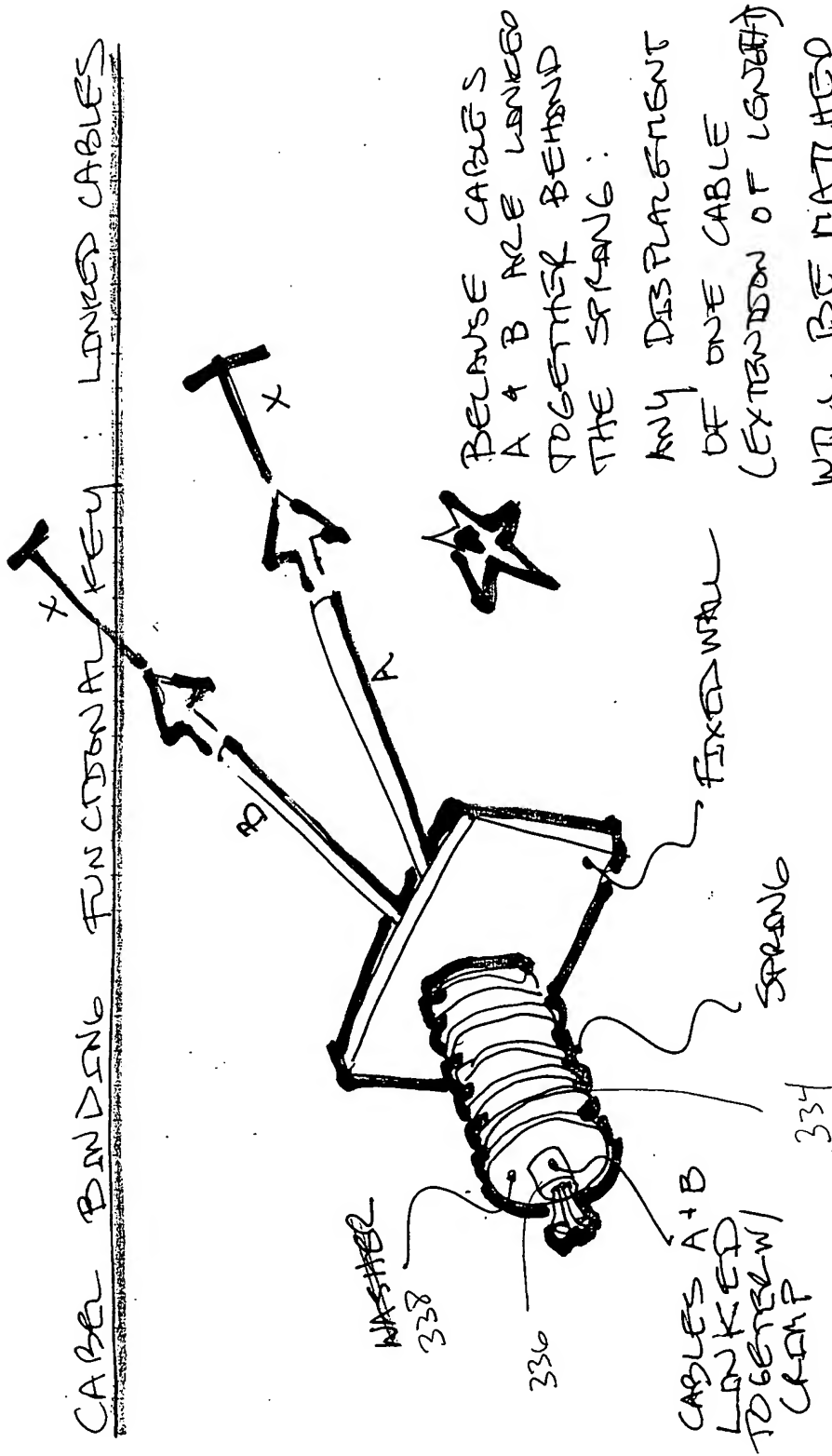


Fig. 25.

204070-9915E001

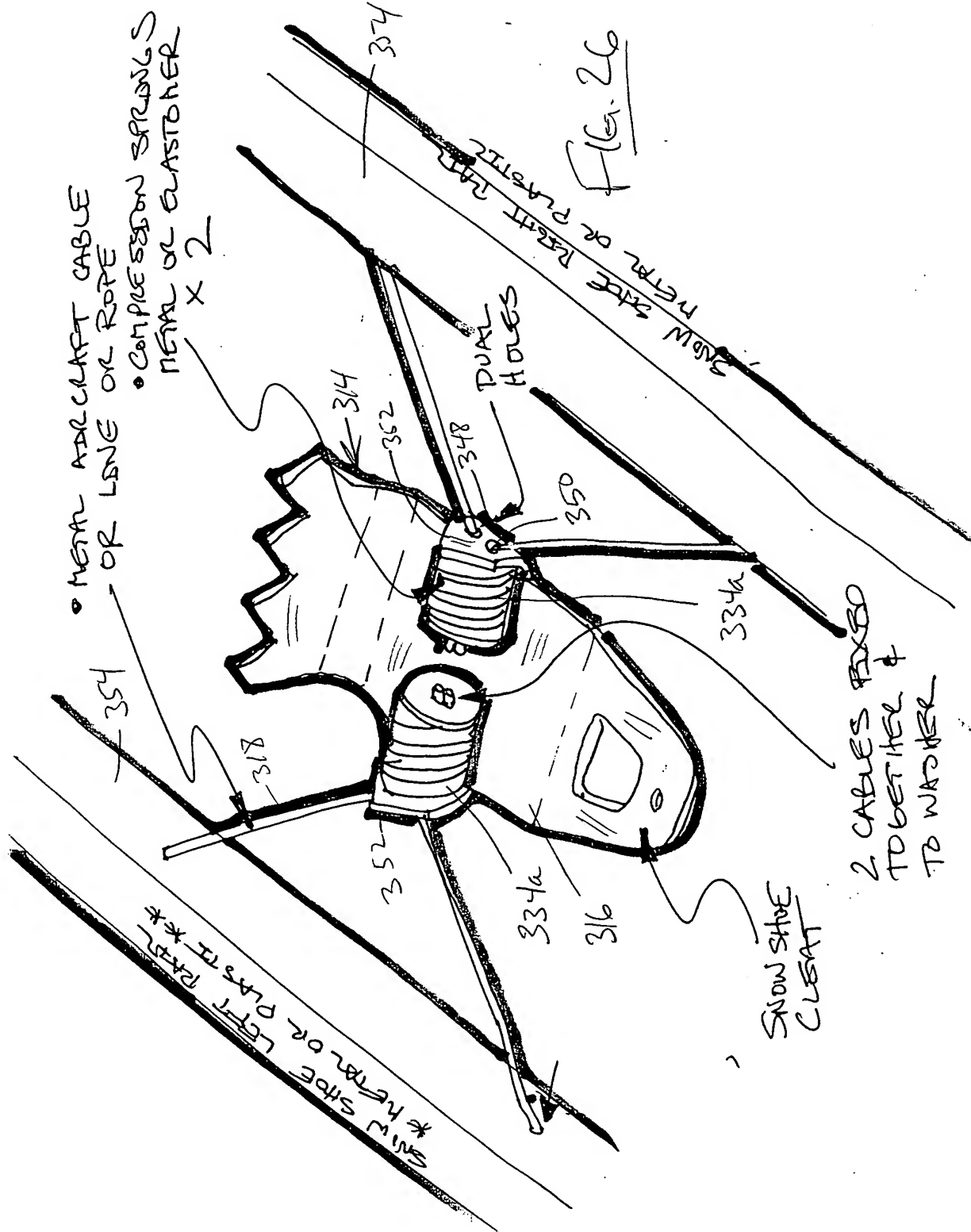


FIG. 27

CABLES FIXED TOGETHER & TO WASHER

COMPRESSION SPRING METAL OR ELASTOMER X 2

CABLES FIXED TO CLEAT X 4

SNOW SHOE CLEAT

METAL AIRCRAFT CABLE OR ROPE X 4

CABLE X 4 OVER PULLEYS

LEFT SHOW SHOW PATH X * PLASTIC OR METAL *

314, 318, 334, 360, 362, 364, 366, 368

11/16/27

204010 99151001

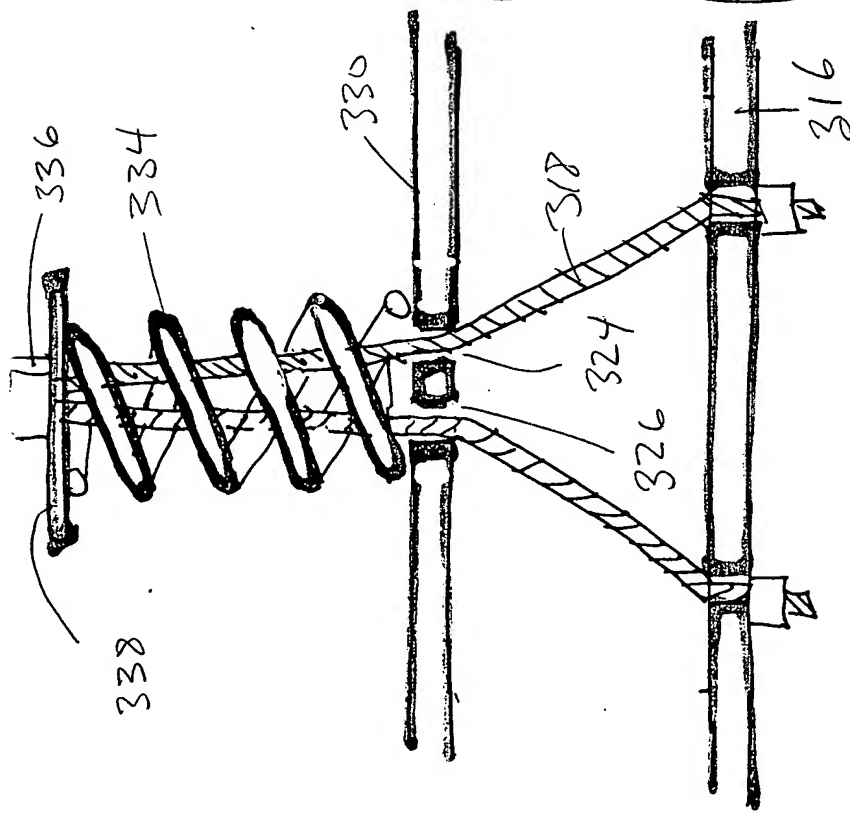


FIG. 28

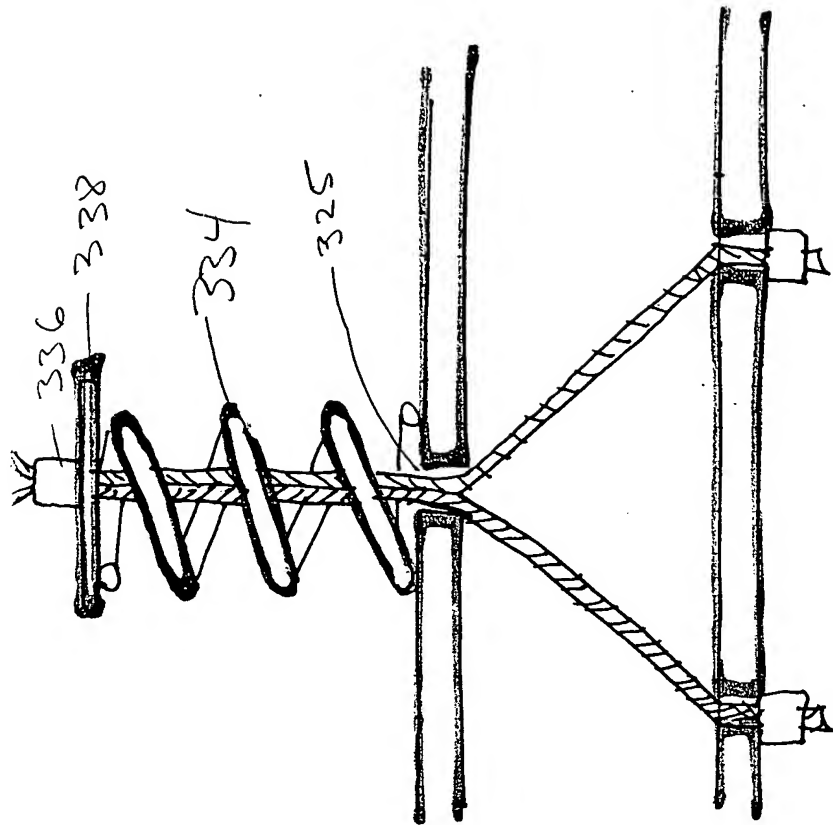


FIG. 29